

Figure 1

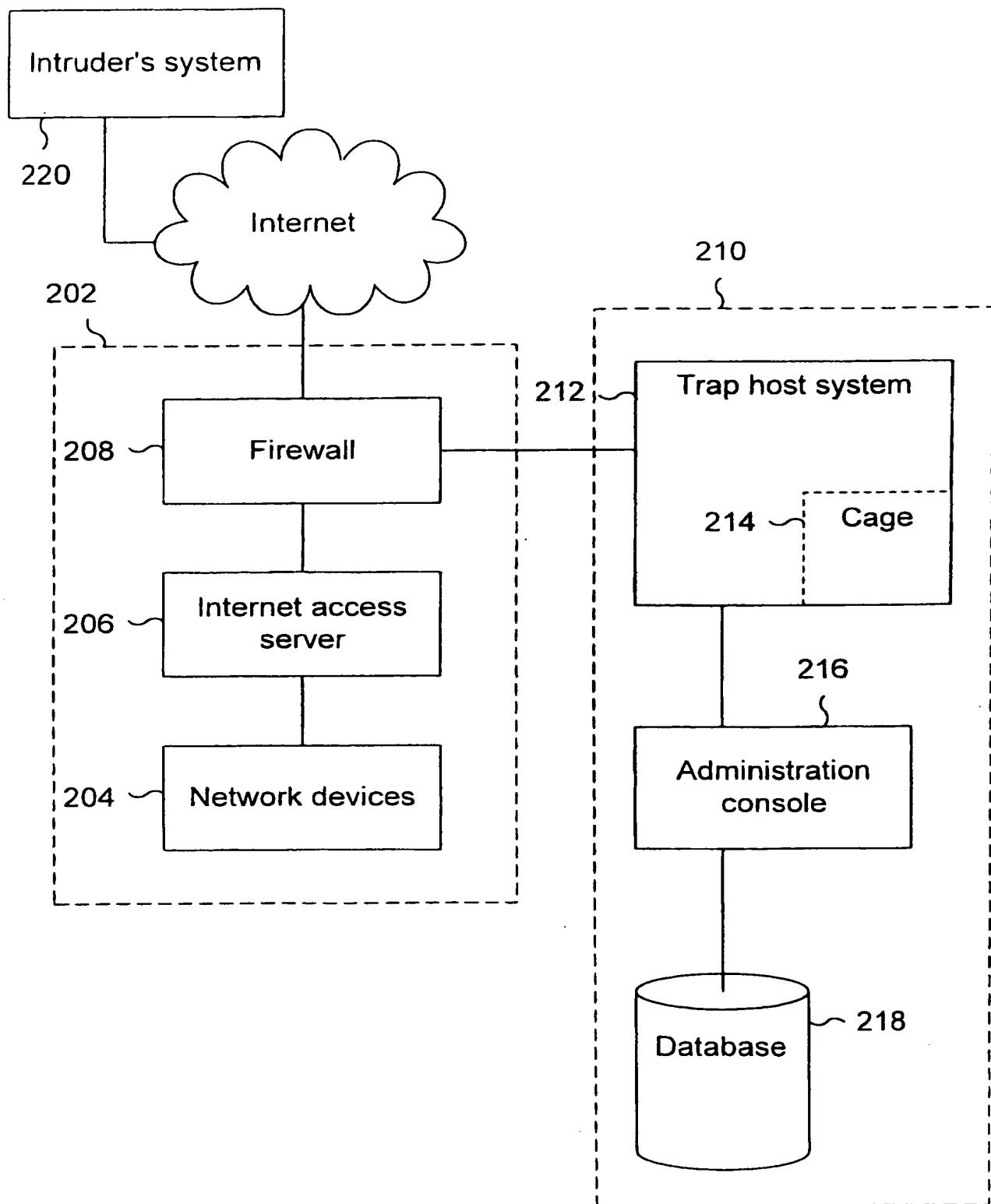


Figure 2

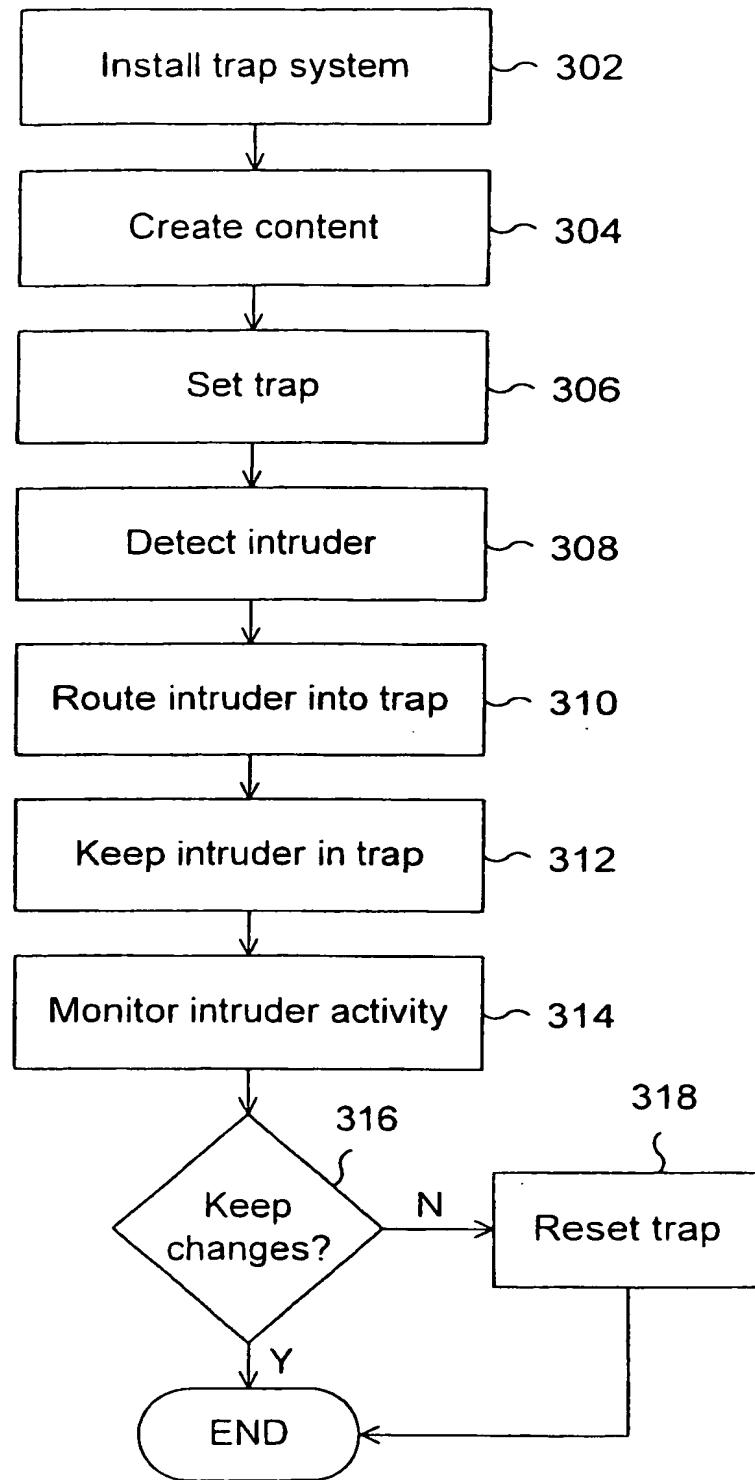


Figure 3

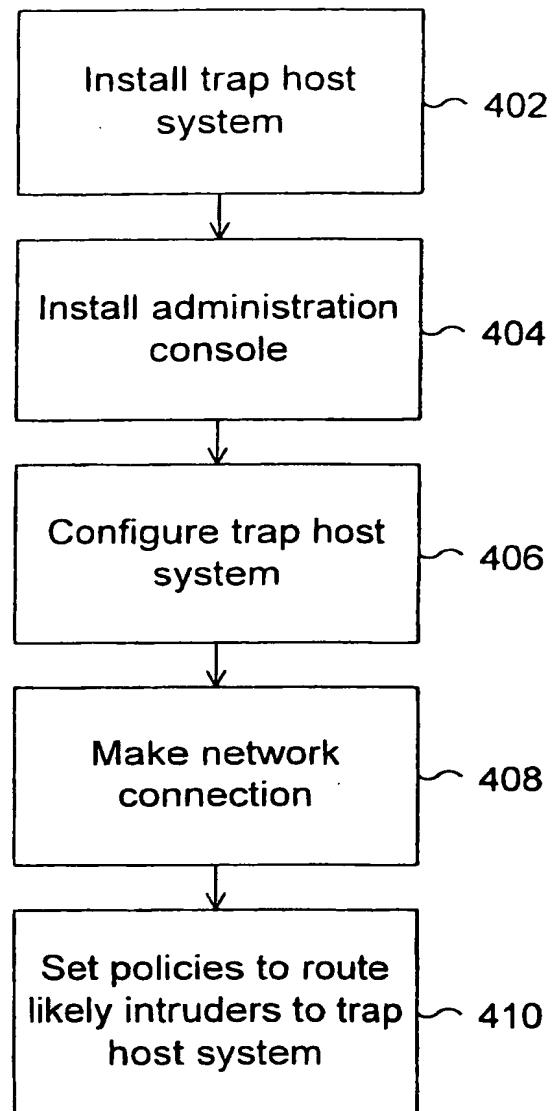


Figure 4

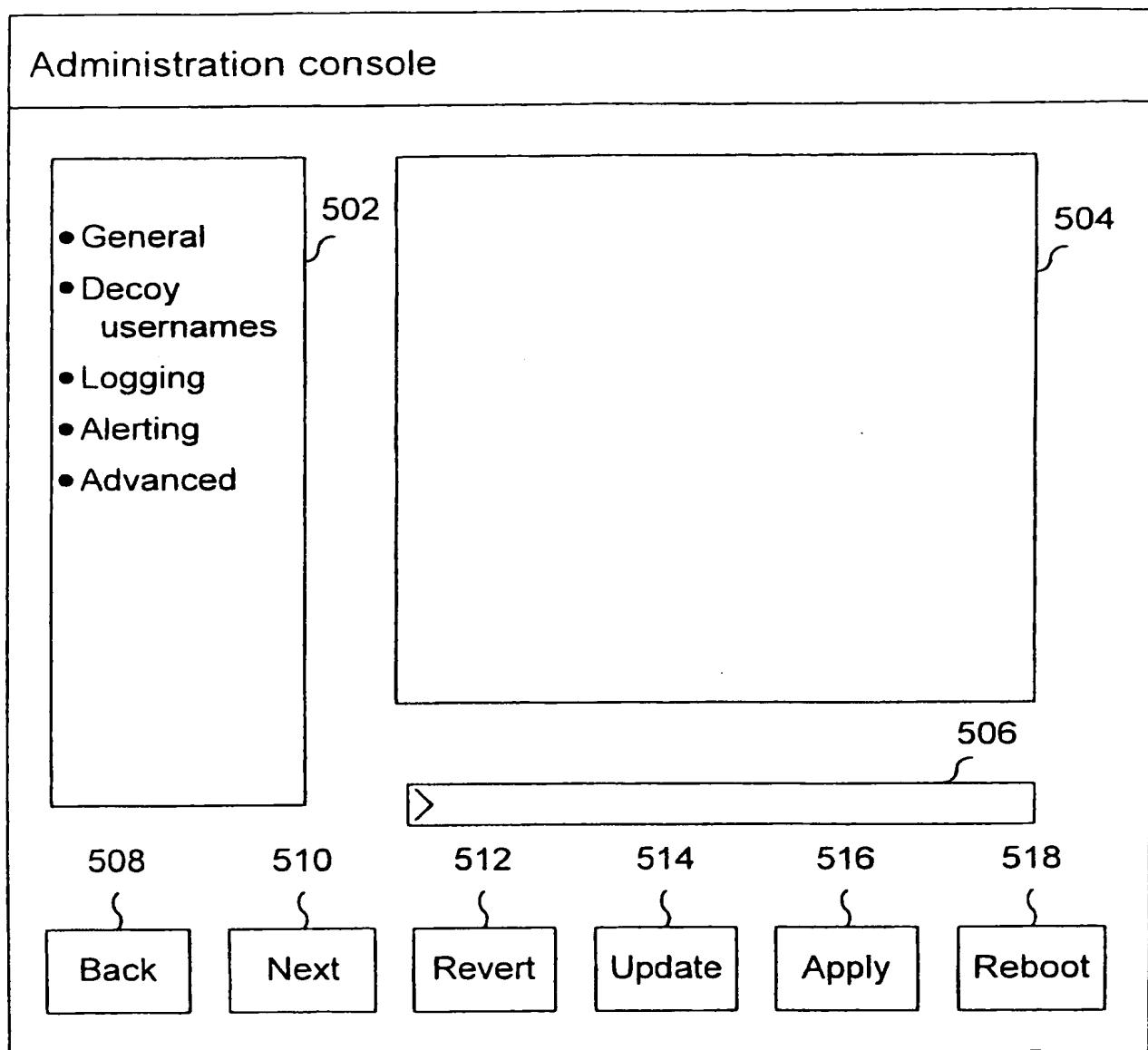


Figure 5

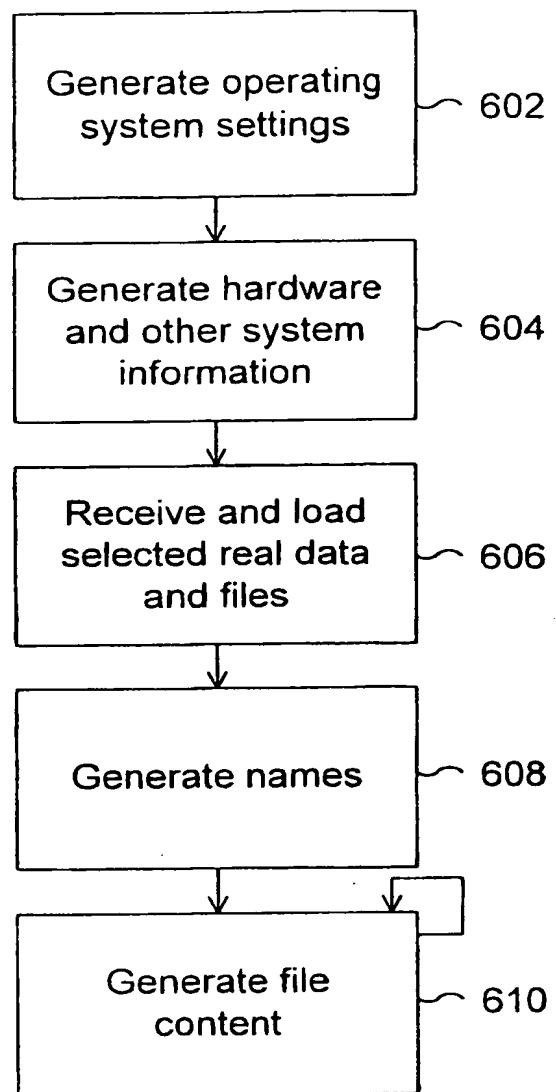


Figure 6

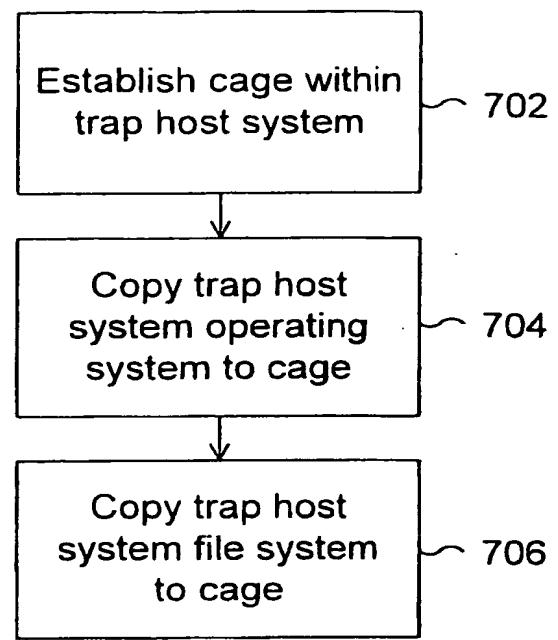


Figure 7

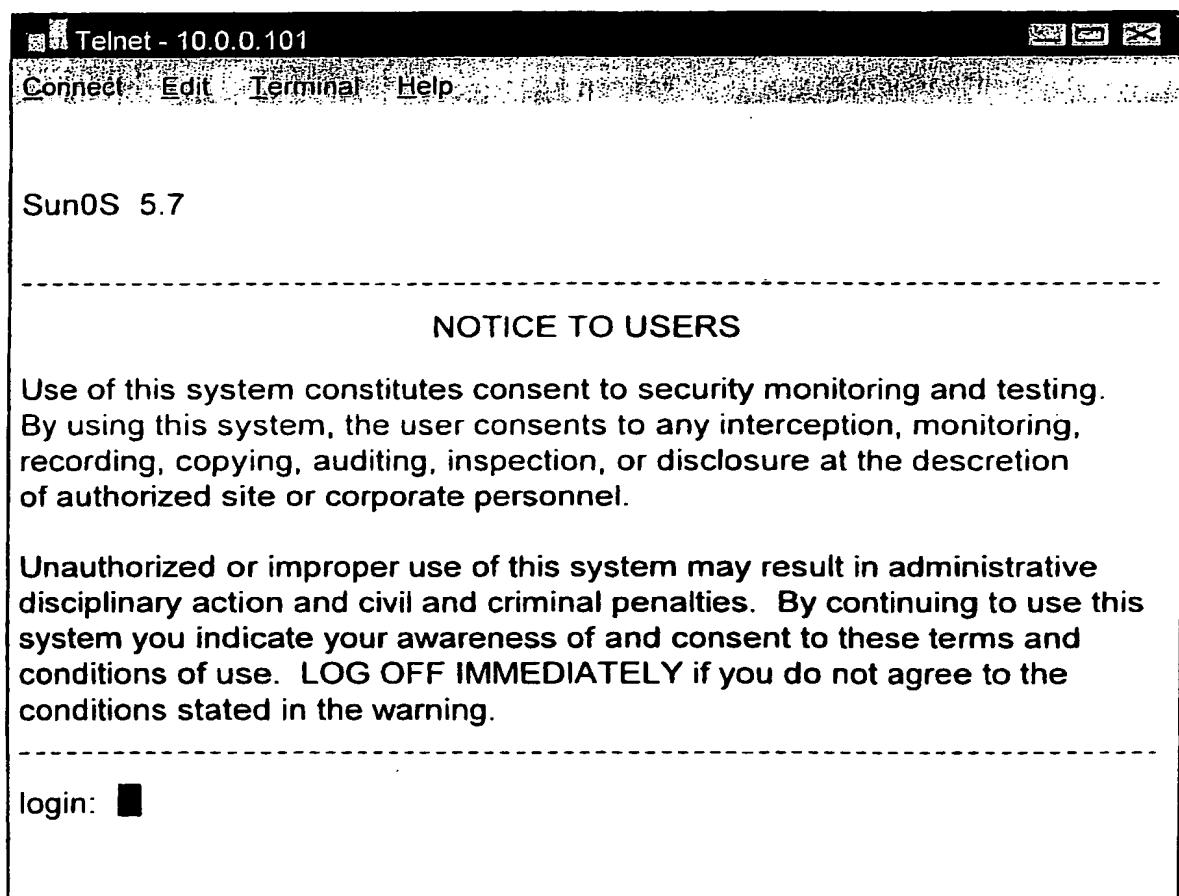


Figure 8

00044200 022200

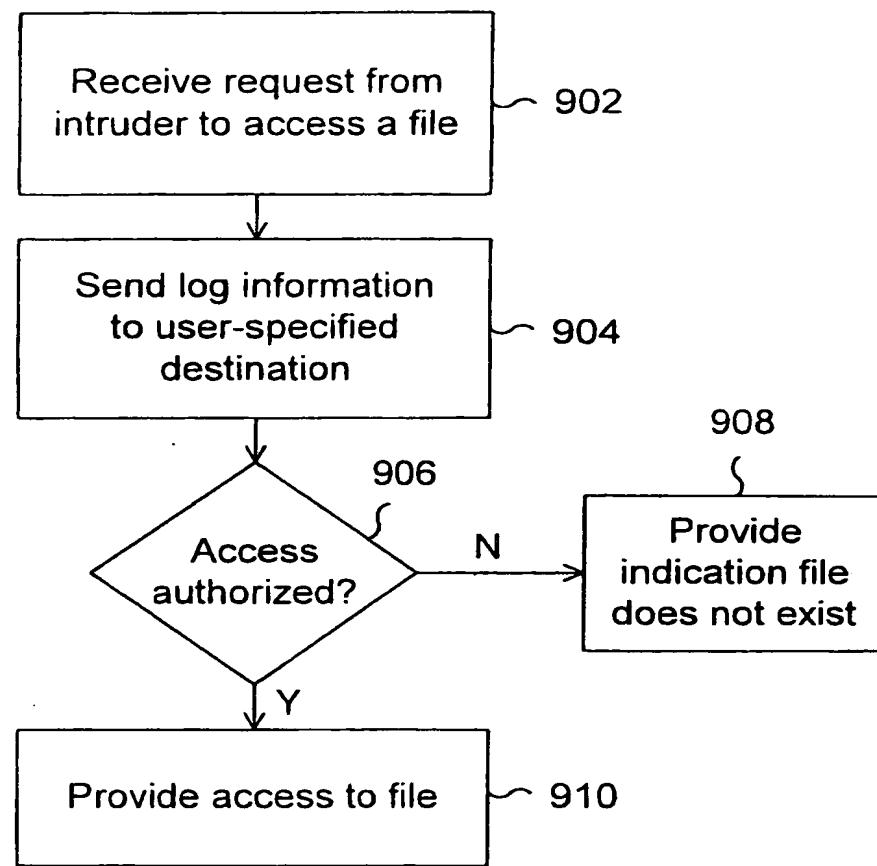


Figure 9

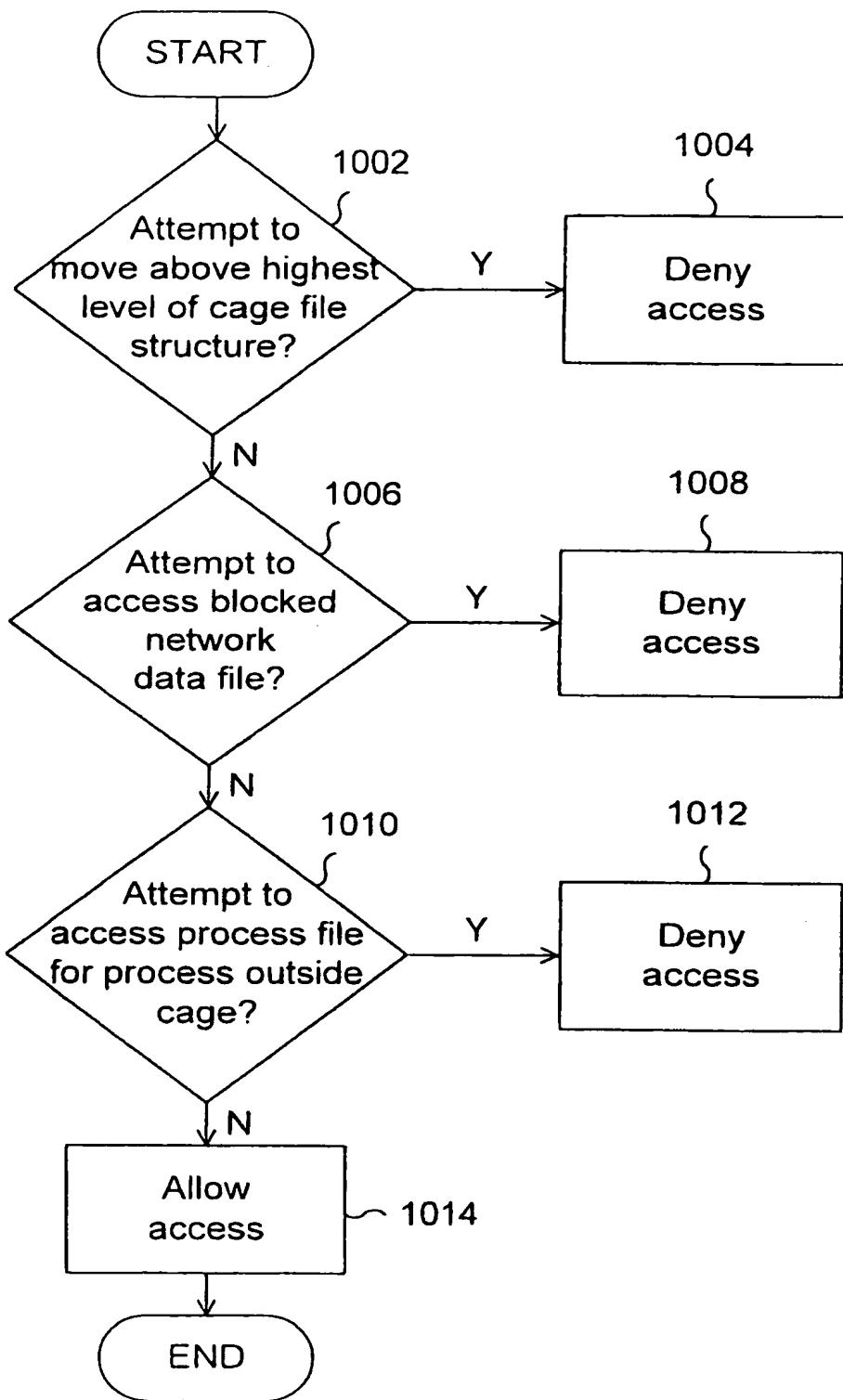


Figure 10

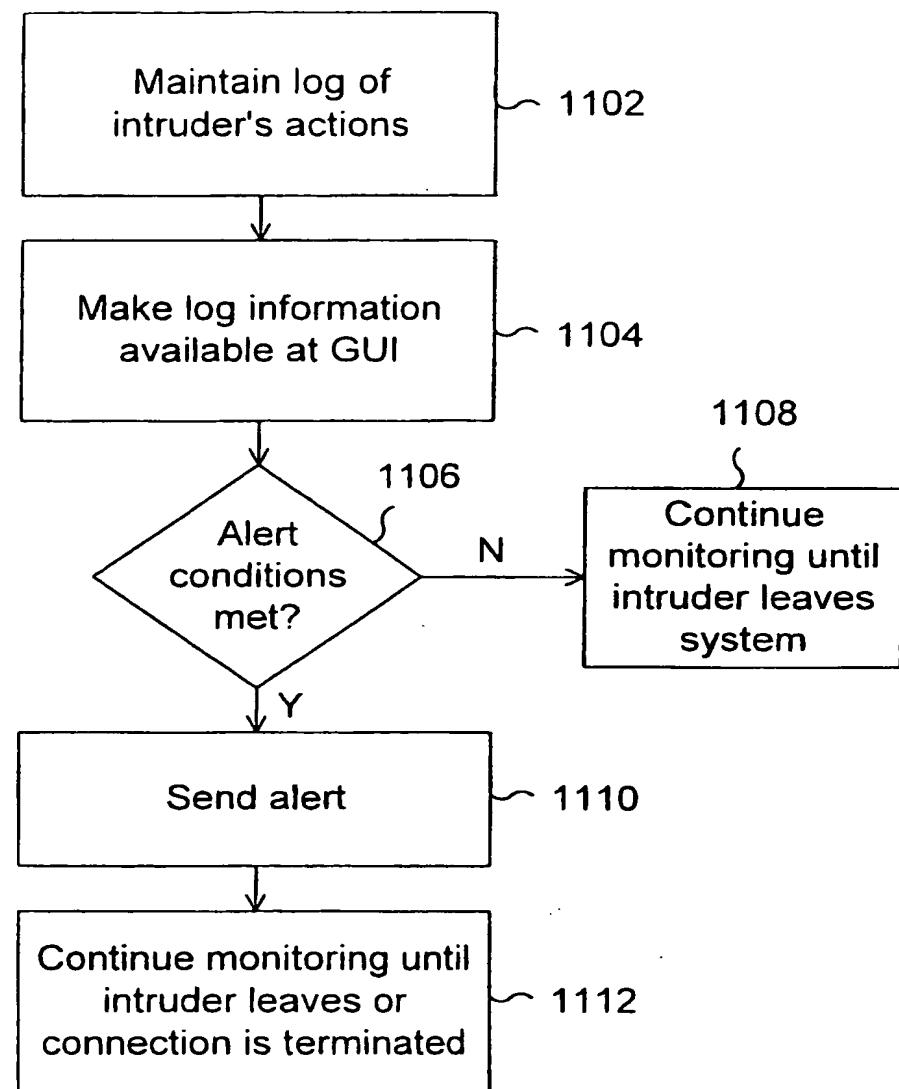


Figure11A

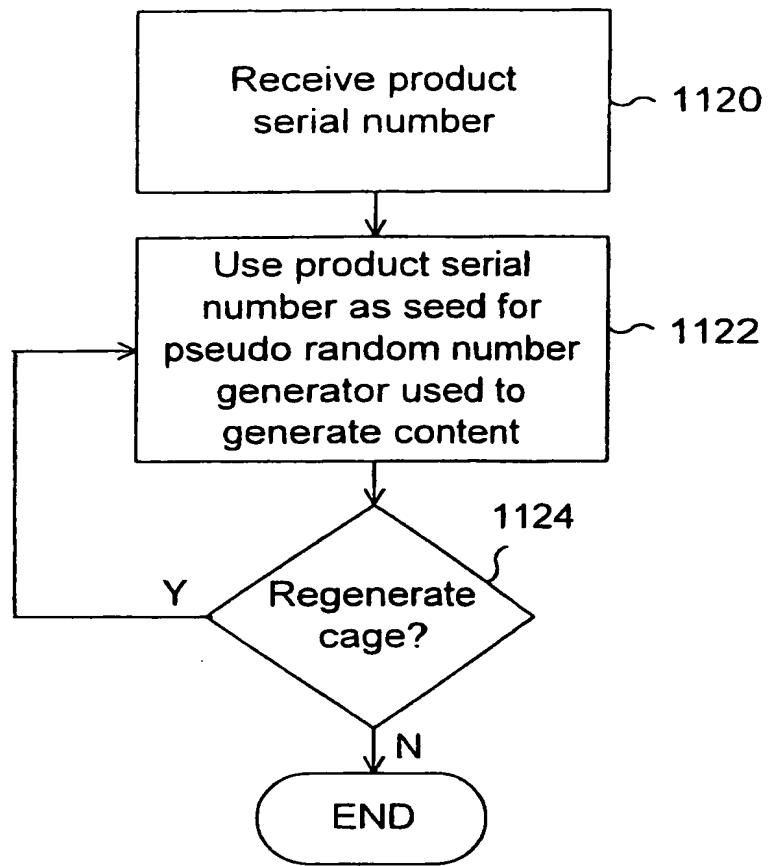


Figure 11B

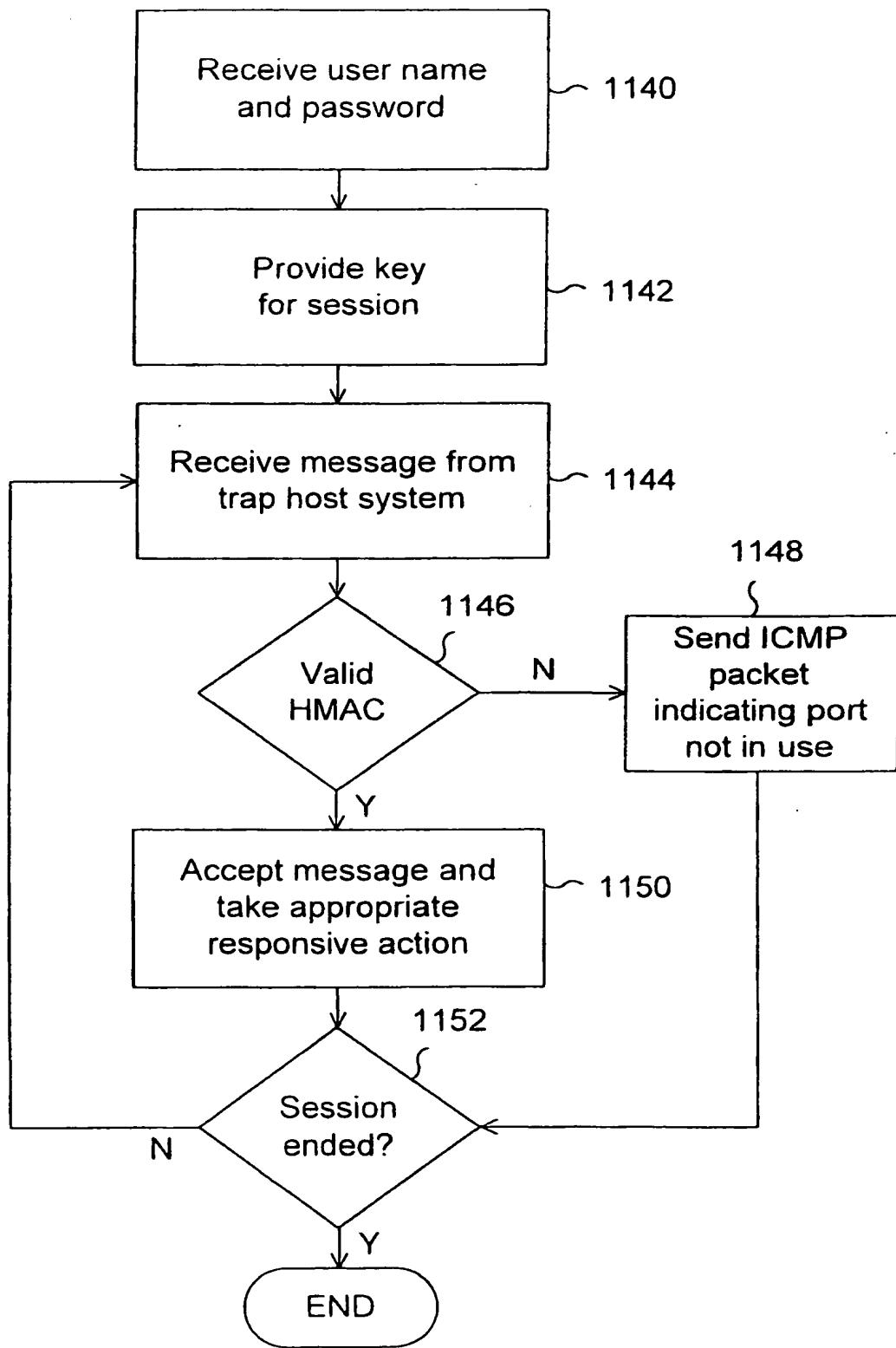
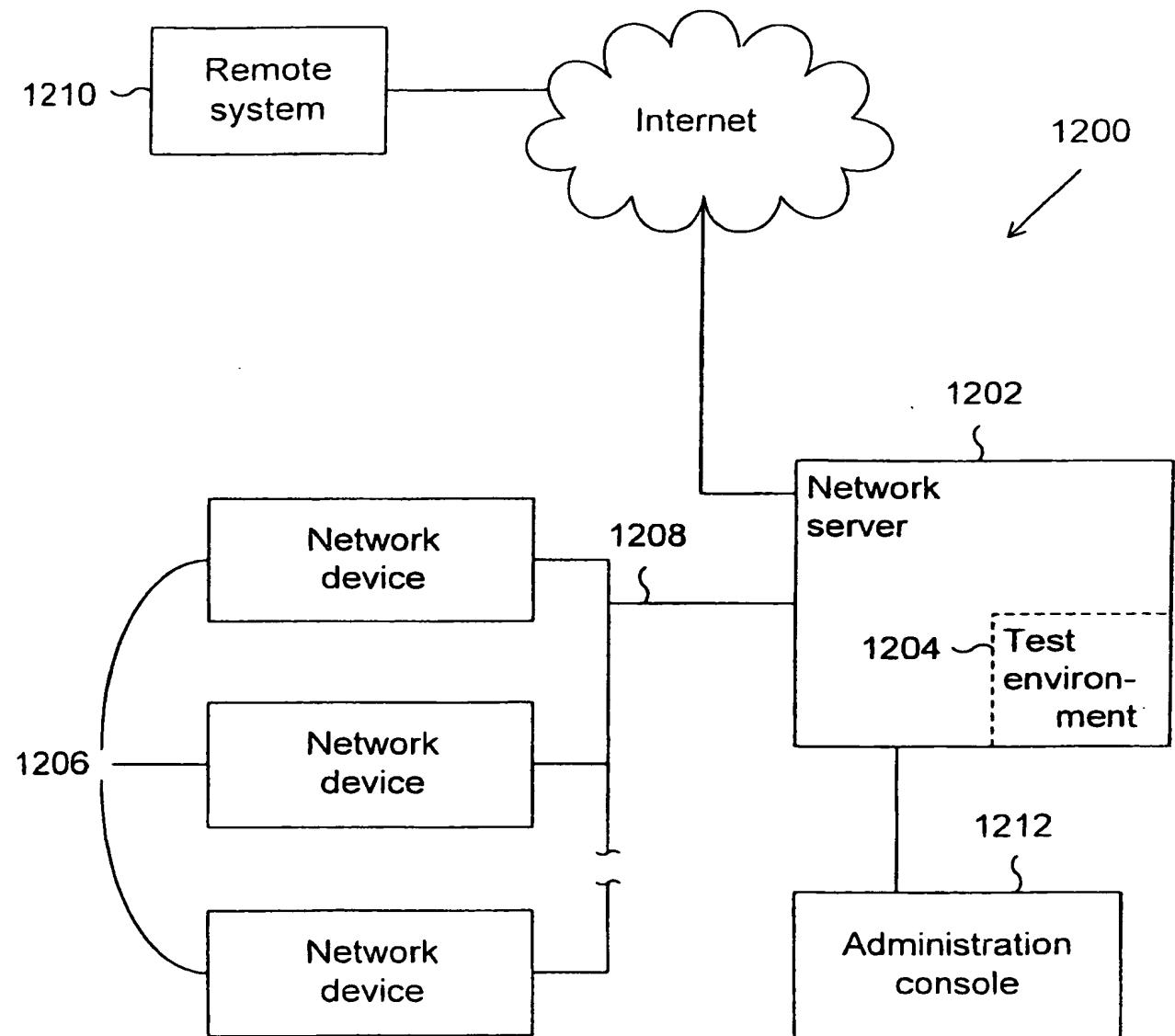


Figure 11C



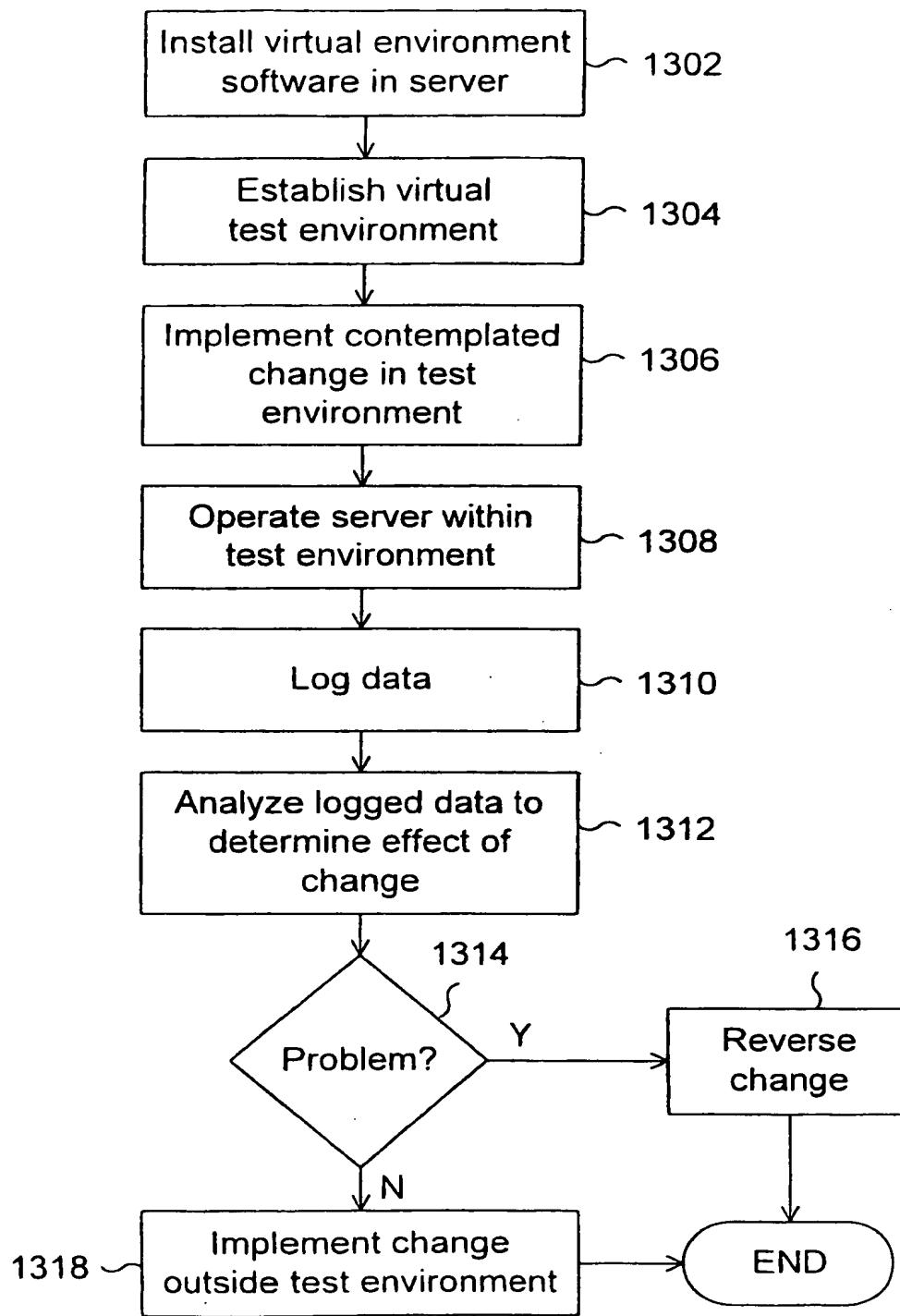
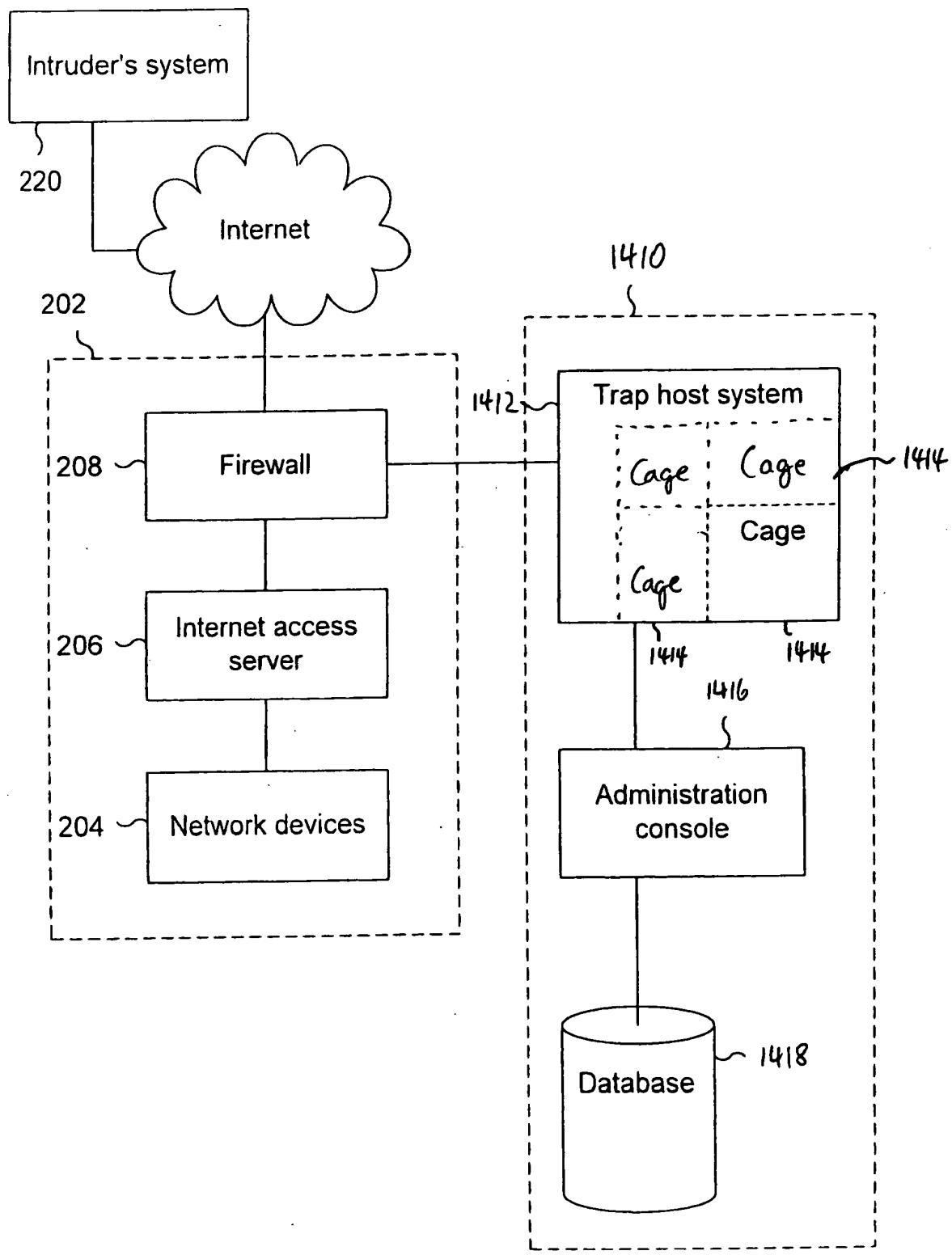


Figure 13



102222000021400

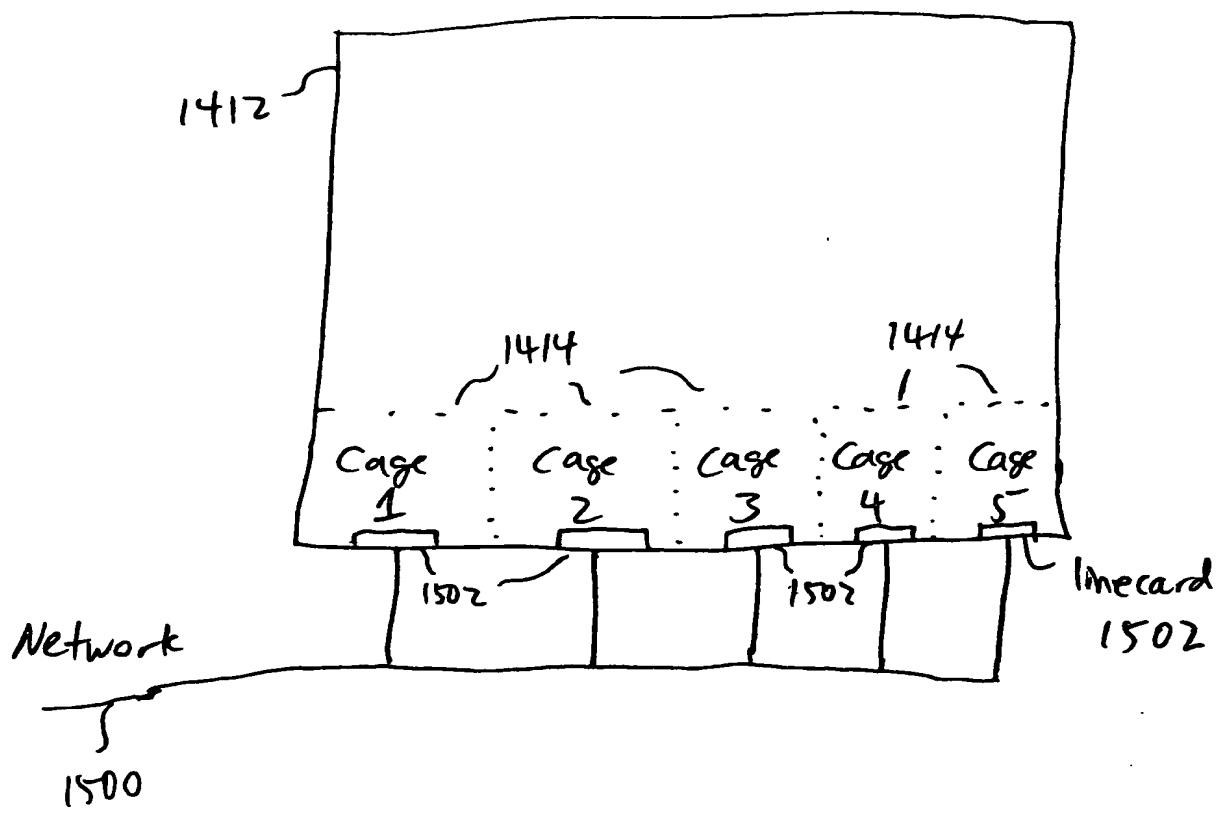


Figure 15

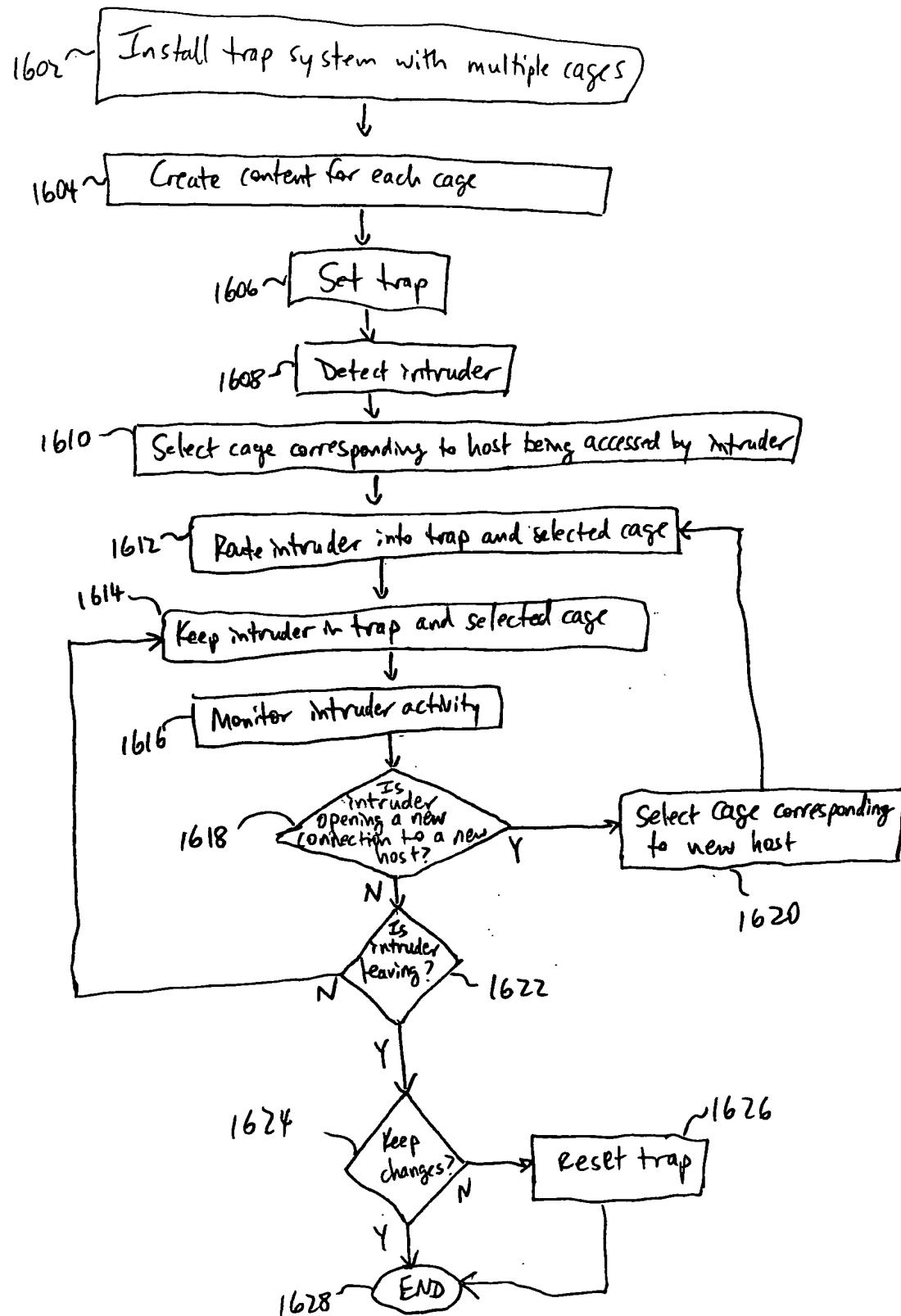
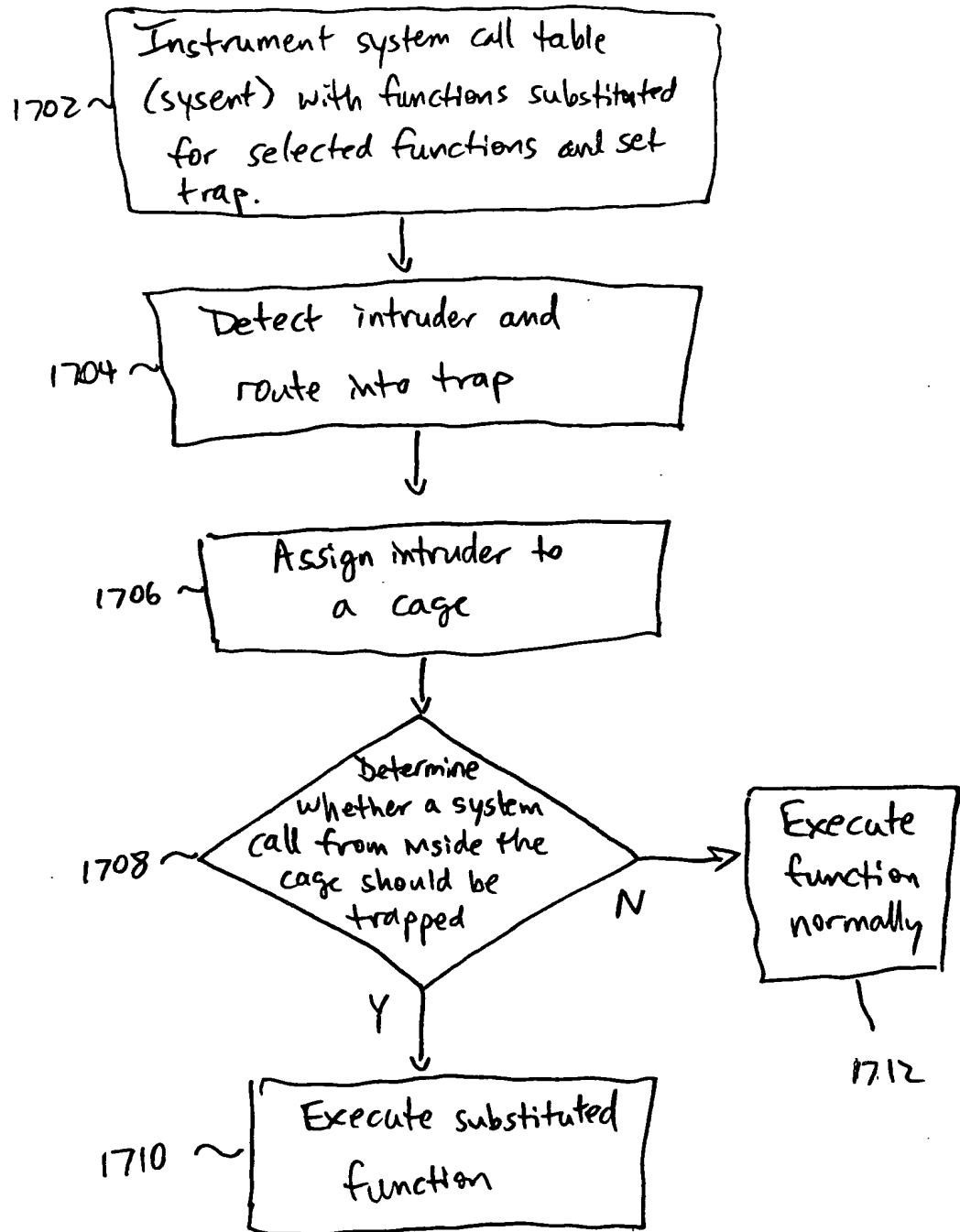


FIGURE 16



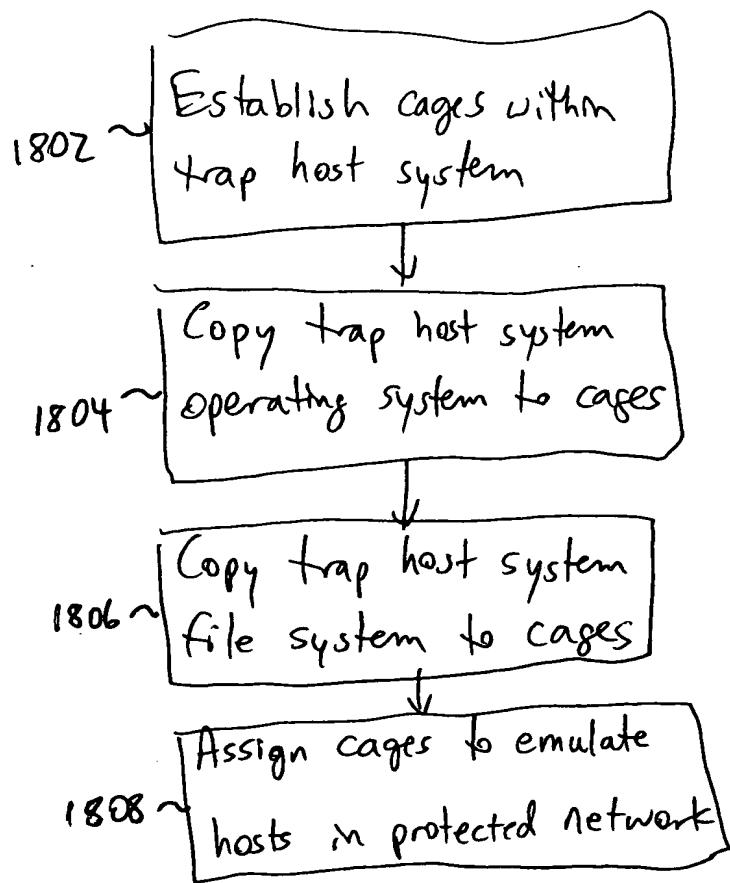


Figure 18

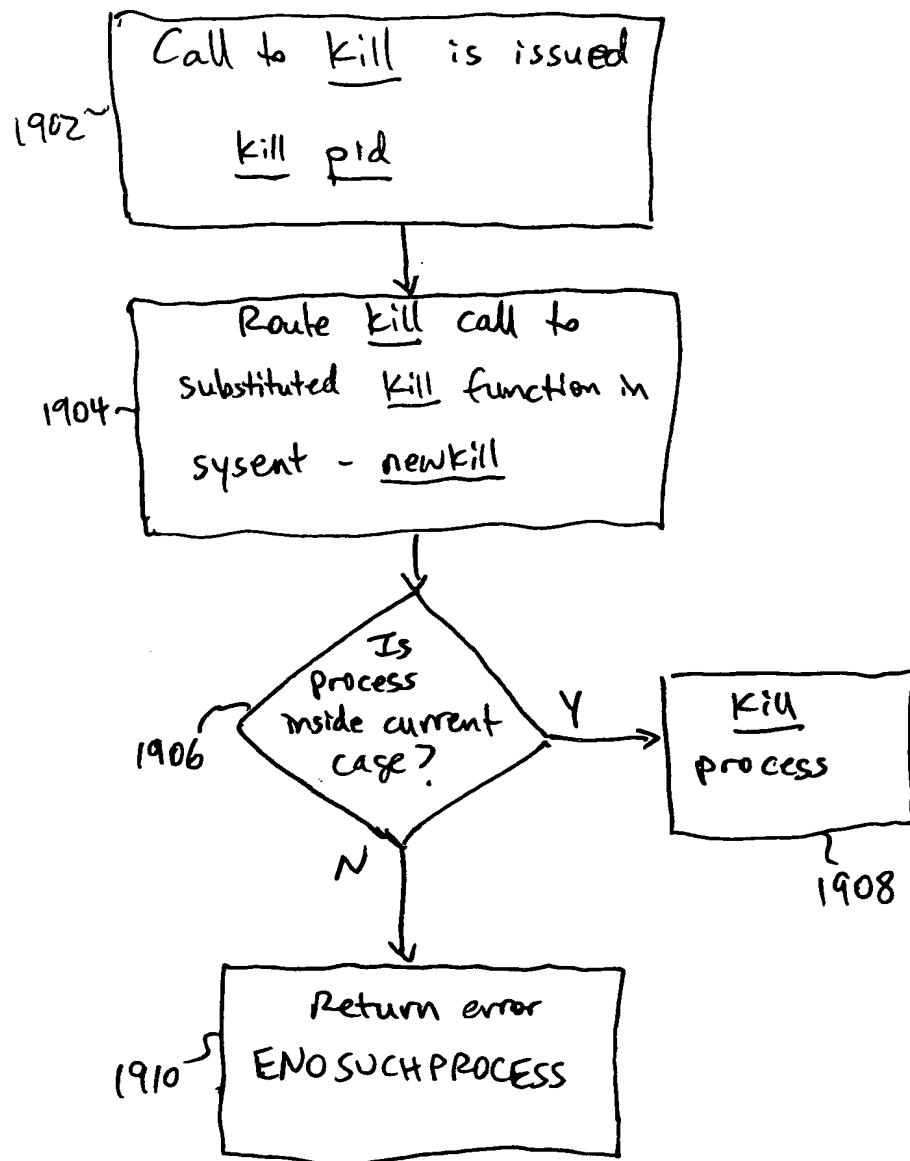


Figure 19

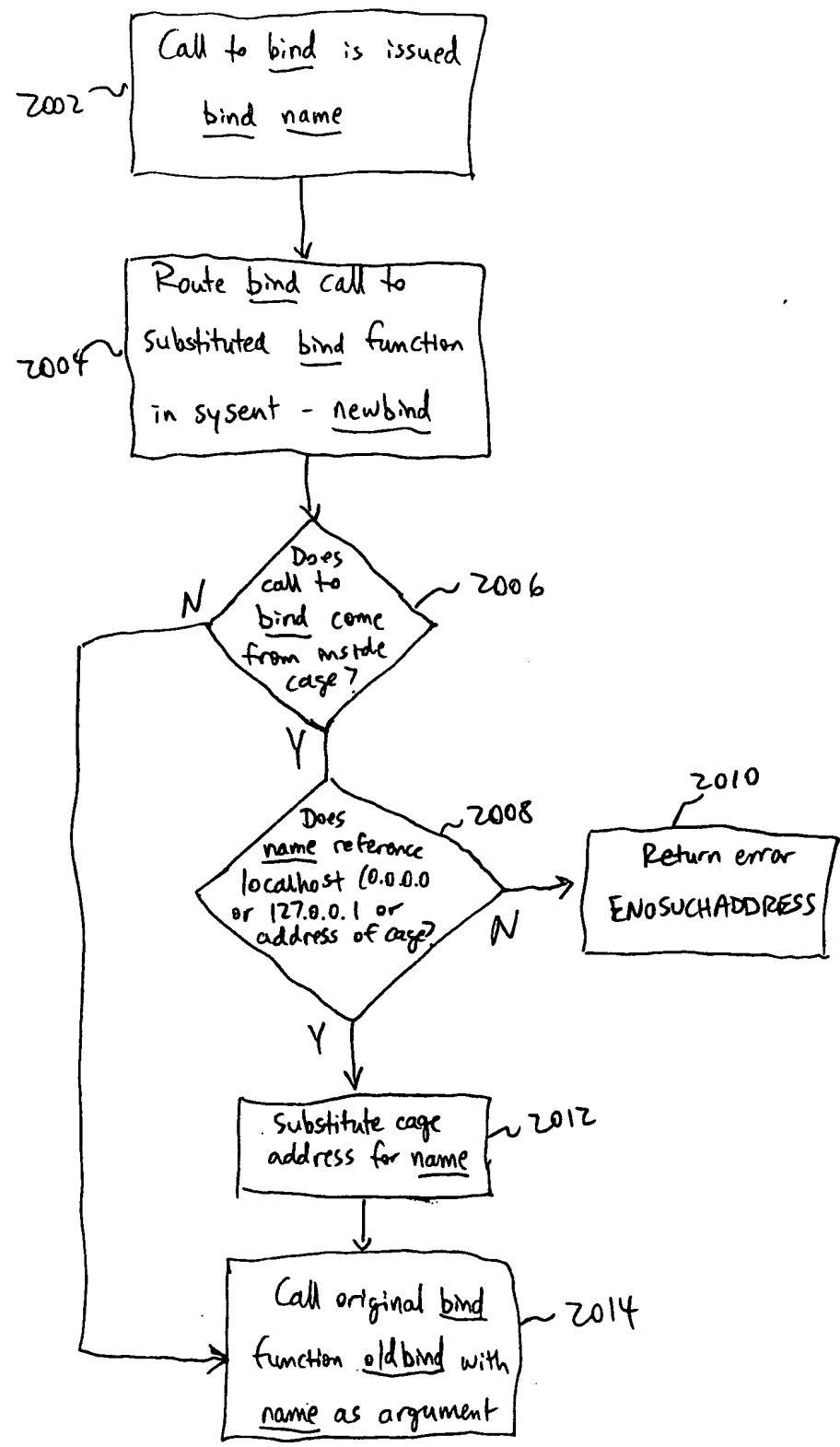


Figure 20

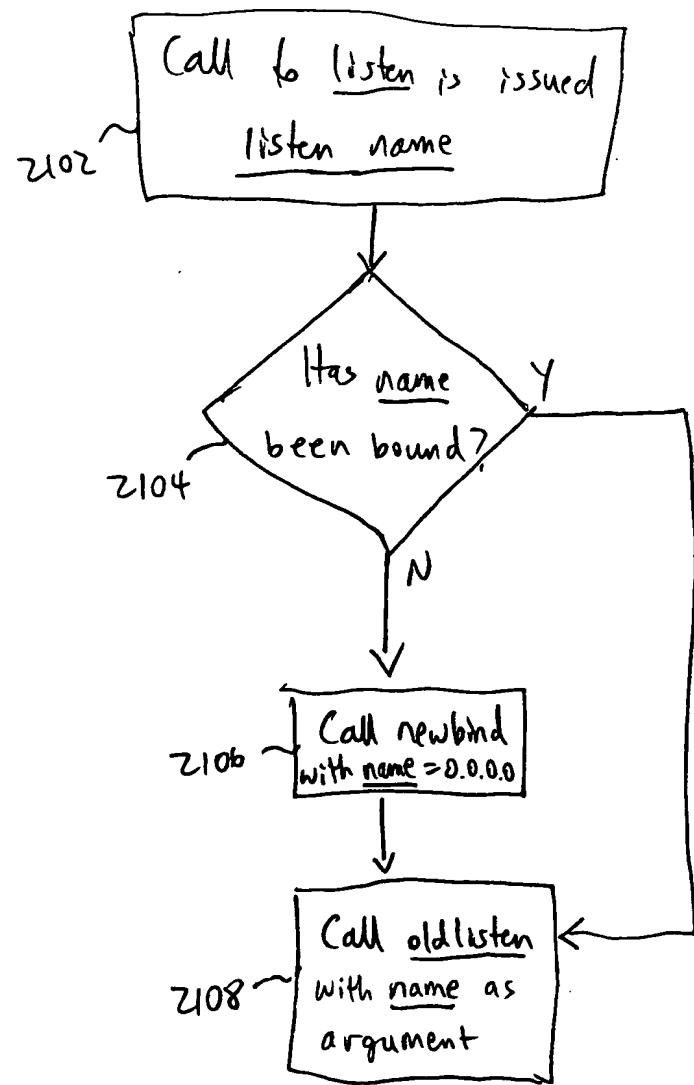


Figure 21

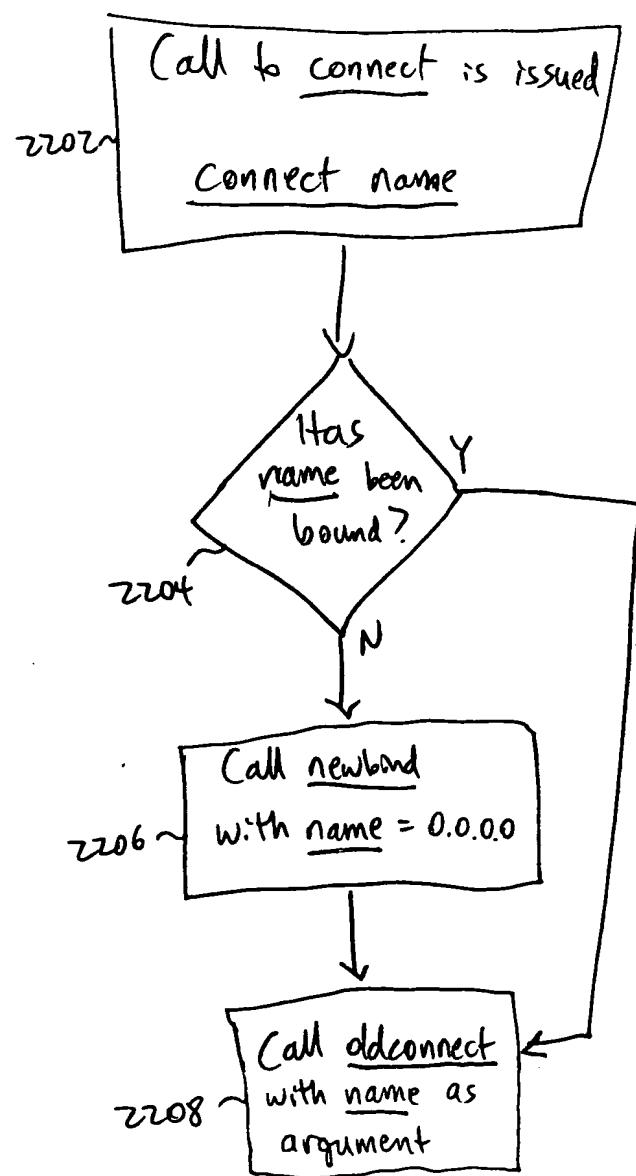


Figure 22

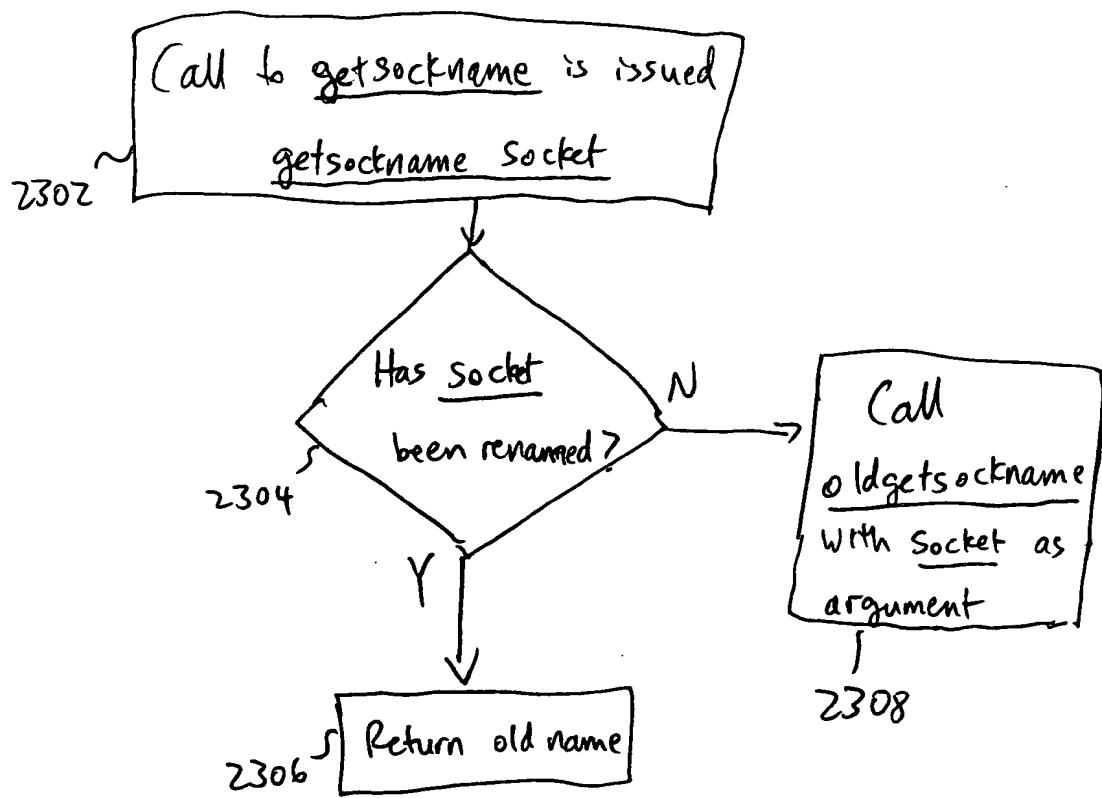


Figure 23

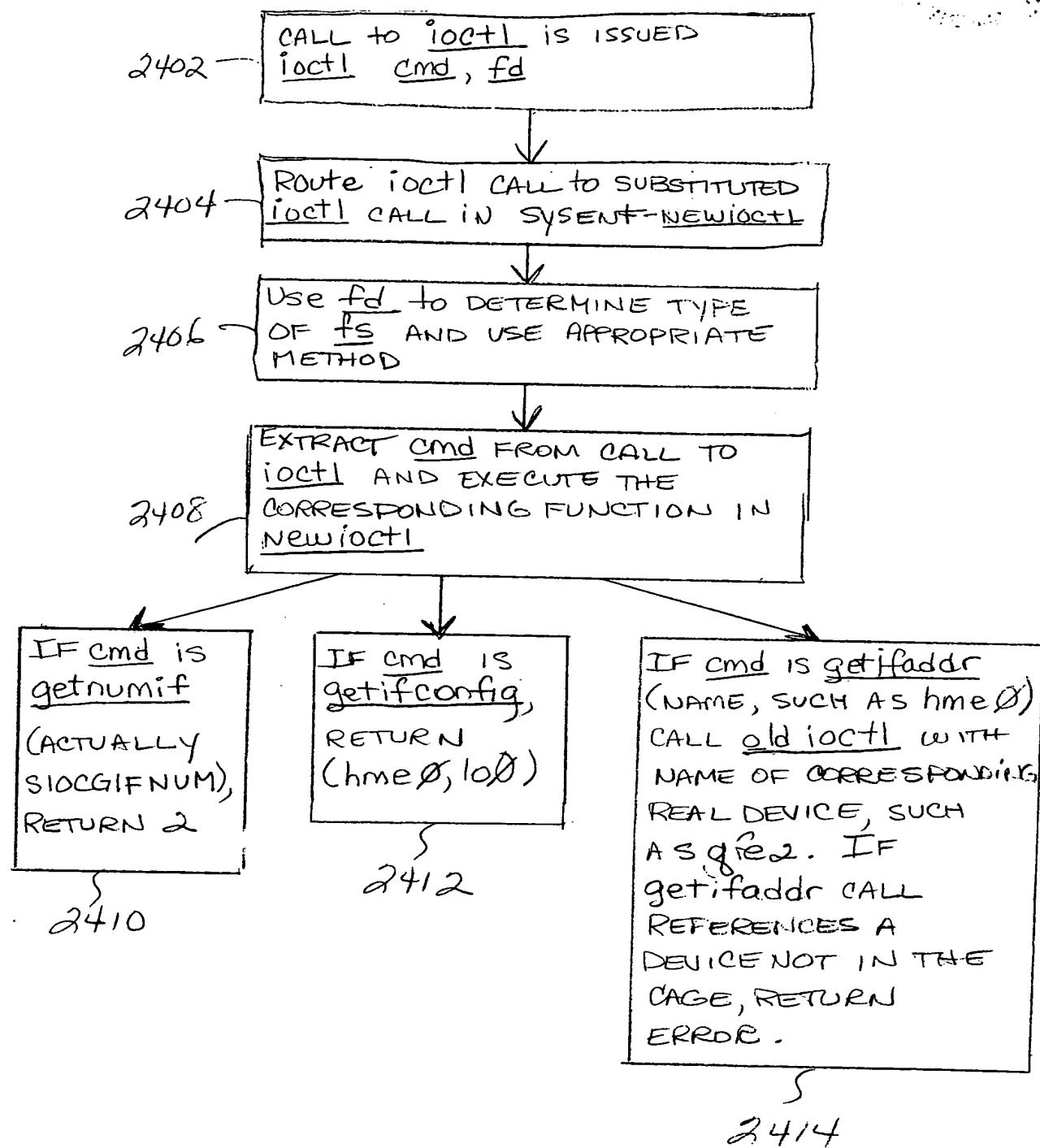


FIGURE 24

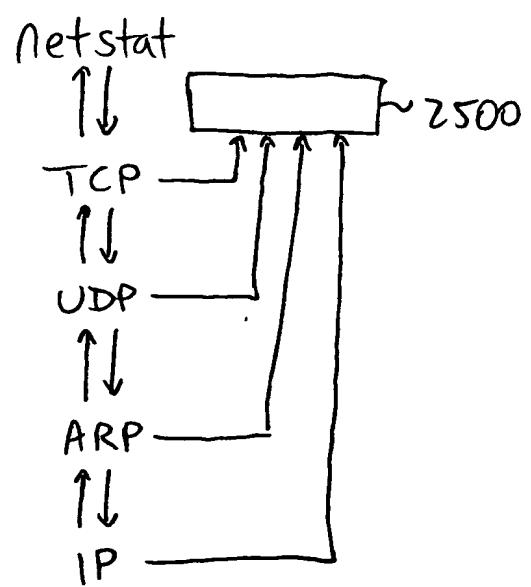


Figure 25

```
<doc>
  <regexp-query>
    <name>Possible SGID Exploit</name>
    <properties>
      <priority>10</priority>
    </properties>
    <pattern>
      <next>
        <line>.*exec args=.pid=\((\d+); ppid=\((\d+); uid=\((\d+); euid=
\((\d+); gid=\((1-9)\d*); egid=\(0\).*</line>
      </next>
      <next>
        <line>.*args=\((\-\w\|\|/ )+\); pid=\((\d+); ppid=\(%1\).*</line>
      </next>
    </pattern>
    <procmatch>
      <actionpair>
        <line>.*args=\(((\-\w\|\|/ )+)\).ppid=\(%1\).*</line>
        <action>
          <highlight/>
          <delete/>
          <varop var="agg">%1</varop>
        </action>
      </actionpair>
    </procmatch>
    <annotation>
      <text>Possible SGID Exploit: %agg%</text>
    </annotation>
  </regexp-query>
</doc>
```

Figure 26

```
<doc>
  <regexp-query>
    <name>Possible SUID Exploit</name>
    <properties>
      <priority>10</priority>
    </properties>
    <pattern>
      <next>
        <line>.*exec args=.+pid=\((\d+)\); ppid=\((\d+)\); uid=\((1-9)\d*\);  
euid=\(0\).*</line>
      </next>
      <next>
        <line>.*args=\(.+\); pid=\((\d+)\); ppid=\(%1%\).*</line>
      </next>
    </pattern>
    <procmatch>
      <actionpair>
        <line>.*args=\(.+\); pid=\((\d+)\); ppid=\(%1%\).*</line>
        <action>
          <highlight/>
          <delete/>
          <varop var="agg">%1%</varop>
        </action>
      </actionpair>
    </procmatch>
    <annotation>
      <text>Possible SUID Exploit: %agg%</text>
    </annotation>
  </regexp-query>
</doc>
```

Figure 27

40220-000/1990

```
<doc>
<regexp-query>
    <name>All Processes</name>
    <properties>
        <priority>10</priority>
    </properties>
    <pattern>
        <next>
            <line>.*proclog.*args=\(((\-\.\w\\\ / )+)\).*</line>
        </next>
    </pattern>
    <procmatch>
        <actionpair>
            <line>.*args=\(((\-\.\w\\\ / )+)\).*</line>
            <action>
                <highlight/>
                <delete/>
                <varop var="agg">%1%</varop>
            </action>
        </actionpair>
    </procmatch>
    <annotation>
        <text>Process started: %agg%</text>
    </annotation>
</regexp-query>
</doc>
```

Figure 28

2000-02-24 17:00:00

```
<doc>
<regexp-query>
    <name>Find Processes...</name>
    <properties>
        <priority>10</priority>
    </properties>
    <args>
        <args>.+</args>
        <pid>\d+</pid>
        <ppid>\d+</ppid>
        <uid>\d+</uid>
        <euid>\d+</euid>
        <gid>\d+</gid>
        <egid>\d+</egid>
    </args>
    <pattern>
        <next>
            <line>.*args=\(%args%\); pid=\(%pid%\); ppid=\(%ppid%\);
uid=\(%uid%\); euid=\(%euid%\); gid=\(%gid%\); egid=\(%egid%\).*</line>
        </next>
    </pattern>
    <procmatch>
        <actionpair>
            <line>.*args=\((.+)\); pid.*</line>
            <action>
                <highlight/>
                <delete/>
                <varop var="agg">%1%</varop>
            </action>
        </actionpair>
    </procmatch>
    <annotation>
        <text>Process started: %agg%</text>
    </annotation>
</regexp-query>
</doc>
```

Figure 29

```
<doc>
<regexp-query>
    <name>All Shell-spawned Processes</name>
    <properties>
        <priority>10</priority>
    </properties>
    <pattern>
        <next>
            <line>.*exec args=\(-sh\); pid=\((\d+)\).*</line>
        </next>
        <next>
            <line>.*args=\(((\-\w\\|\| )+)\).*ppid=\(%1%\).*</line>
        </next>
    </pattern>
    <procmatch>
        <actionpair>
            <line>.*args=\(((\-\w\\|\| )+)\).*ppid=\(%1%\).*</line>
            <action>
                <highlight/>
                <varop var="agg">%1%</varop>
            </action>
        </actionpair>
    </procmatch>
    <annotation>
        <text>Executed from a shell: %agg%</text>
    </annotation>
</regexp-query>
</doc>
```

Figure 30

TOZER-0001234560

```
<doc>
<regexp-query>
    <name>Incoming Connections</name>
    <properties>
        <priority>10</priority>
    </properties>
    <pattern>
        <next>
            <line>.*incoming connection from=\(.+\).*</line>
        </next>
    </pattern>
    <procmatch>
        <actionpair>
            <line>.*incoming connection from=\((.+):(.+)\  
to=\((.+):(.+)\).*</line>
            <action>
                <highlight/>
                <delete/>
                <varop var= "fromip">%1%</varop>
                <varop var= "fromport">%2%</varop>
                <varop var= "toip">%3%</varop>
                <varop var= "toport">%4%</varop>
            </action>
        </actionpair>
    </procmatch>
    <annotation>
        <text>Incoming Connection From IP: %fromip% (on port: %fromport%) To  
IP: %toip% (on port: %toport%)</text>
    </annotation>
    </regexp-query>
</doc>
```

Figure 3(

TOP SECRET//  
00024748

```
<doc>
<regexp-query>
    <name>Keystrokes Entered</name>
    <properties>
        <priority>10</priority>
    </properties>
    <pattern>
        <next>
            <line>.*read stream data, id=\((\d+)\) data=\(.+\).*</line>
        </next>
        <next fromprev="1">
            <line>.*read stream data, id=\(%1%\) data=\(.*\0{ad4}.*\).*</line>
        </next>
    </pattern>
    <procmatch>
        <actionpair>
            <line>.*read stream data, id=\(%1%\) data=\((.+)\).*</line>
            <action>
                <highlight/>
                <delete/>
                <varop var="agg">%1%</varop>
            </action>
        </actionpair>
    </procmatch>
    <annotation>
        <text>Keystrokes Entered: %agg%</text>
    </annotation>
</regexp-query>
</doc>
```

Figure 32

2022-0027460

```
<doc>
<regexp-query>
    <name>Screen Output</name>
    <properties>
        <priority>10</priority>
    </properties>
    <pattern>
        <next>
            <line>.*write stream data, id=\((\d+)\) data=\(.+\).*</line>
        </next>
        <next fromprev="1">
            <line>.*write stream data, id=\(%1%\)
data=\(.*\0[ad46].*\).*</line>
        </next>
    </pattern>
    <procmatch>
        <actionpair>
            <line>.*write stream data, id=\(%1%\) data=\((.+)\).*</line>
            <action>
                <highlight/>
                <delete/>
                <varop var="agg">%1%</varop>
            </action>
        </actionpair>
    </procmatch>
    <annotation>
        <text>Output to screen: %agg%</text>
    </annotation>
</regexp-query>
</doc>
```

Figure 33

402420-000/TP/060

```
<doc>
  <regexp-query>
    <name>Find Monitored</name>
    <properties>
      <priority>10</priority>
    </properties>
    <args>
      <file_name>.+</file_name>
      <pid>\d+</pid>
    </args>
    <pattern>
      <next>
        <line>.*monitored file opened name=\(%file_name%\)
pid=\(%pid%\).*</line>
      </next>
    </pattern>
    <procmatch>
      <actionpair>
        <line>.*monitored file opened name=\((.+)\)
pid=\((.+)\).*</line>
        <action>
          <highlight/>
          <delete/>
          <varop var="filename">%1%</varop>
          <varop var="pidvar">%2%</varop>
        </action>
      </actionpair>
    </procmatch>
    <annotation>
      <text>File Opened: %filename% (from pid: %pidvar%)</text>
    </annotation>
  </regexp-query>
</doc>
```

Figure 34